

In the Claims

What is claimed is:

1. (original) An Aqueous Film Forming Foam formulation comprising R_F - Q_s ,

wherein:

R_F has a greater affinity for a first part of a system having at least two parts than

Q_s ;

Q_s has a greater affinity for a second part of the system than R_F ; and

R_F comprises at least two $-CF_3$ groups and at least two hydrogens.

2. (original) The formulation of claim 1 wherein R_F is hydrophobic relative to Q_s .

3. (original) The formulation of claim 1 wherein Q_s is hydrophilic relative to R_F .

4. (original) The formulation of claim 1 wherein R_F is hydrophobic and Q_s is hydrophilic.

5. (original) The formulation of claim 1 wherein R_F comprises at least one $-CH_2-$ group.

6. (original) The formulation of claim 1 wherein R_F comprises at least one cyclic group.

7. (original) The formulation of claim 6 wherein the cyclic group comprises an aromatic group.

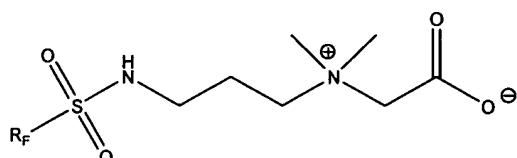
8. (original) The formulation of claim 1 wherein R_F comprises at least one $(CF_3)_2CF$ - group.

9. (original) The formulation of claim 1 wherein R_F comprises at least three $-CF_3$ groups.

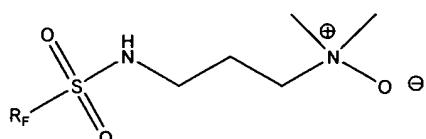
10. (original) The formulation of claim 1 wherein R_F comprises at least two $(CF_3)_2CF$ - groups.

11. (original) The formulation of claim 1 wherein R_F comprises at least four carbons and one of the four carbons comprises a $-CH_2-$ group.

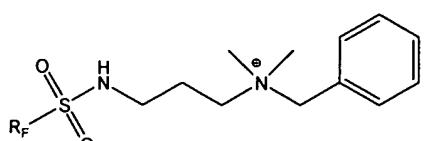
12. (original) The formulation of claim 1 wherein R_F-Q_s is

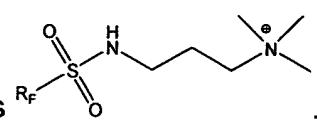


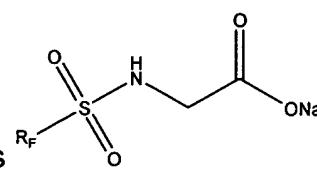
13. (original) The formulation of claim 1 wherein R_F-Q_s is

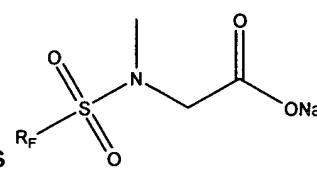


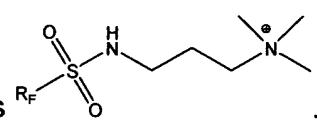
14. (original) The formulation of claim 1 wherein R_F-Q_s is

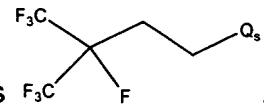


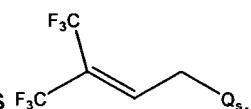
15. (original) The formulation of claim 1 wherein R_F-Q_s is .

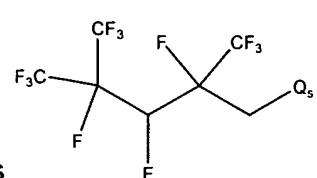
16. (original) The formulation of claim 1 wherein R_F-Q_s is .

17. (original) The formulation of claim 1 wherein R_F-Q_s is .

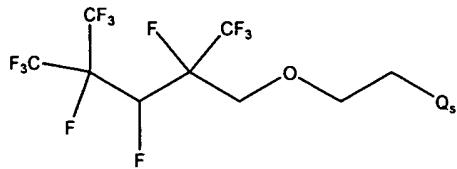
18. (original) The formulation of claim 1 wherein R_F-Q_s is .

19. (original) The formulation of claim 1 wherein R_F-Q_s is .

20. (original) The formulation of claim 1 wherein R_F-Q_s is .

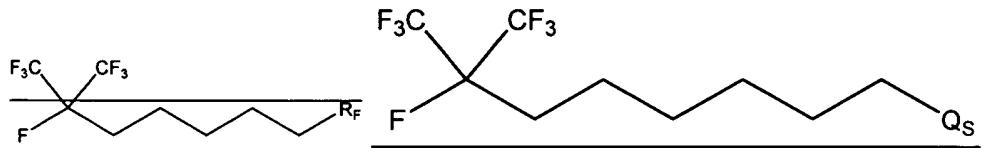
21. (original) The formulation of claim 1 wherein R_F-Q_s is .

22. (original) The formulation of claim 1 wherein R_{F-Q_s} is



23. (original) The formulation of claim 1 wherein R_{F-Q_s} is

24. (currently amended): The formulation of claim 1 wherein R_{F-Q_s} is



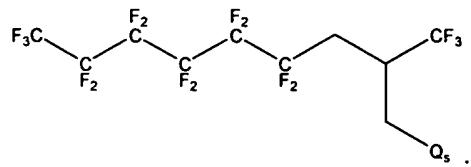
25. (original) The formulation of claim 1 wherein R_{F-Q_s} is

26. (original) The formulation of claim 1 wherein R_{F-Q_s} is

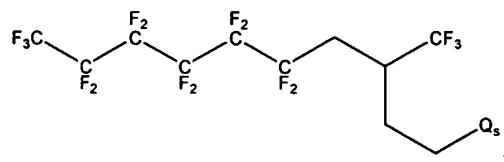
27. (original) The formulation of claim 1 wherein R_{F-Q_s} is

28. (original) The formulation of claim 1 wherein R_{F-Q_s} is

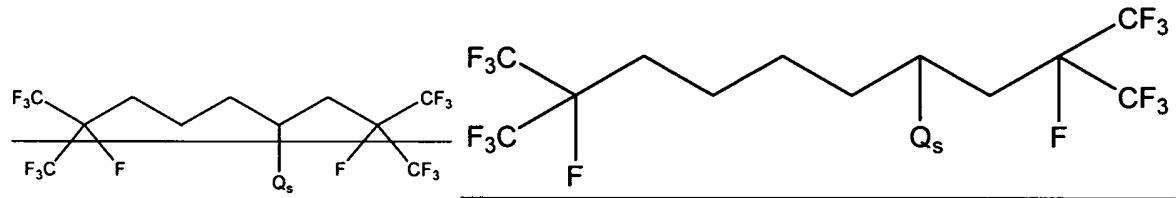
29. (original) The formulation of claim 1 wherein R_{F-Q_s} is



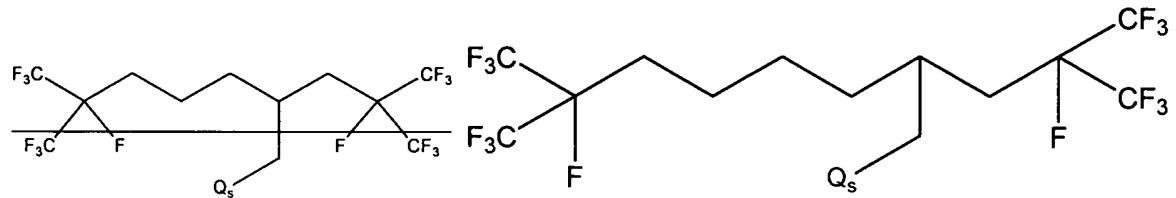
30. (original) The formulation of claim 1 wherein R_{F-Q_s} is



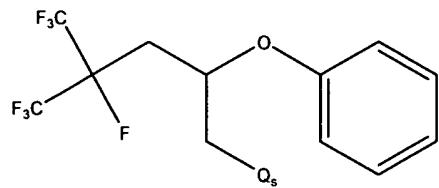
31. (currently amended): The formulation of claim 1 wherein $R_F\text{-}Q_s$ is



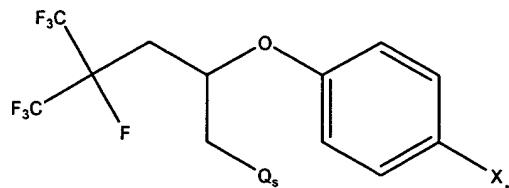
32. (currently amended): The formulation of claim 1 wherein $R_F\text{-}Q_s$ is



33. (original) The formulation of claim 1 wherein R_{F-Q_s} is



34. (original) The formulation of claim 1 wherein R_F-Q_s is



35-70 (cancelled).

71. (original) A foam stabilizer comprising R_F-Q_{FS} , wherein R_F is hydrophobic relative to Q_{FS} , R_F comprising at least two $-CF_3$ groups and at least two hydrogens.

72. (original) The stabilizer of claim 71 wherein R_F comprises at least one $-CH_2-$ group.

73. (original) The stabilizer of claim 71 wherein R_F comprises at least one cyclic group.

74. (original) The stabilizer of claim 73 wherein the cyclic group comprises an aromatic group.

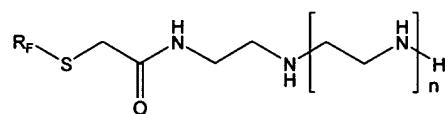
75. (original) The stabilizer of claim 71 wherein R_F comprises at least one $(CF_3)_2CF-$ group.

76. (original) The stabilizer of claim 71 wherein R_F comprises at least three $-CF_3$ groups.

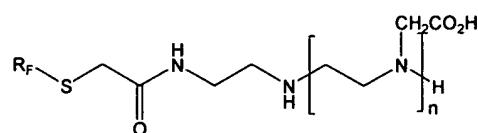
77. (original) The stabilizer of claim 71 wherein R_F comprises at least two $(CF_3)_2CF-$ groups.

78. (original) The stabilizer of claim 71 wherein R_F comprises at least four carbons and one of the four carbons comprises a $-CH_2-$ group.

79. (original) The stabilizer of claim 71 wherein R_F-Q_{FS} is



80. (original) The stabilizer of claim 71 wherein R_F-Q_{FS} is

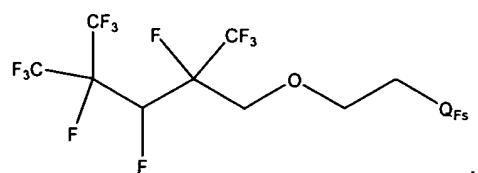


81. (original) The stabilizer of claim 71 wherein R_F-Q_{FS} is

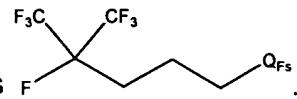
82. (original) The stabilizer of claim 71 wherein R_F-Q_{FS} is

83. (original) The stabilizer of claim 71 wherein R_F-Q_{FS} is

84. (original) The stabilizer of claim 71 wherein R_F-Q_{FS} is



85. (original) The stabilizer of claim 71 wherein R_F-Q_{FS} is .



86. (currently amended): The stabilizer of claim 71 wherein R_F-Q_Fs is

87. (original) The stabilizer of claim 71 wherein R_F-Q_{FS} is F_3C F Q_{FS} F .

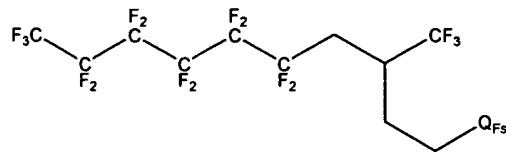
88. (original) The stabilizer of claim 71 wherein R_F-Q_{FS} is Q_{FS} .

89. (original) The stabilizer of claim 71 wherein R_F - Q_{FS} is $\text{F}_3\text{C}-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CF}_3$.

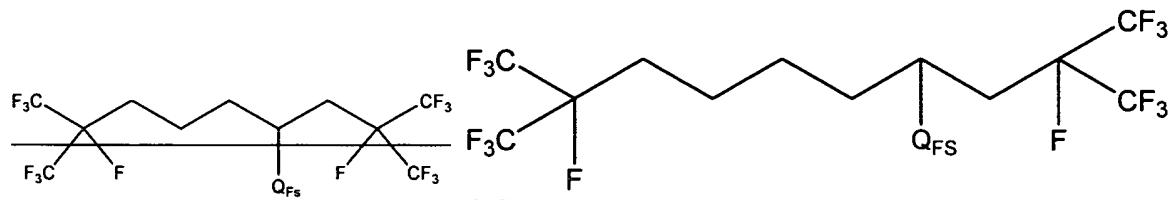
90. (original) The stabilizer of claim 71 wherein R_F-Q_{FS} is $\text{F}_3\text{C}-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CF}_3$

91. (original) The stabilizer of claim 71 wherein R_F-Q_{FS} is

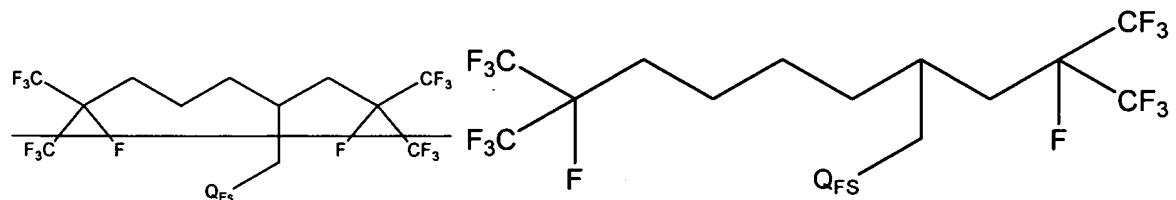
92. (original) The stabilizer of claim 71 wherein R_F-Q_{FS} is



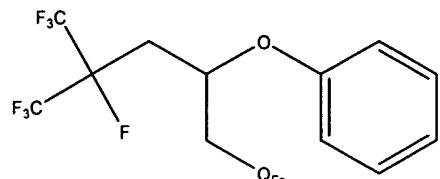
93. (currently amended): The stabilizer of claim 71 wherein R_F-Q_{FS} is



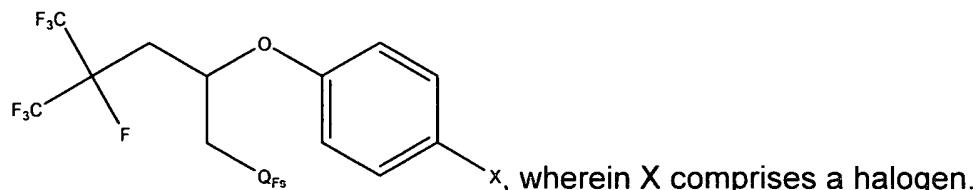
94. (currently amended): The stabilizer of claim 71 wherein R_F-Q_{FS} is



95. (original) The stabilizer of claim 71 wherein R_F-Q_{FS} is



96. (original) The stabilizer of claim 71 wherein R_F-Q_{FS} is



x , wherein X comprises a halogen.